

THE UNIVERSITY OF CHICAGO

	1	5	10	15	20	25	30
VSP-b	S	S	E	E	E	E	E
VSP-a	T	P	E	E	E	E	E
T.phos			L	E	T		
Ph.vulg	D	T	R	R	E	E	E
Ar.VSP							
Ar.1A-1							
Ar.17A-1			A	E	E	E	E
	31	35	40	45	50	55	
VSP-b	P	E	E	E	E	E	E
VSP-a			H	E	E	E	E
T.phos			V	G	P	G	E
Ph.vulg		A	N	E	E	E	E
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	60	65	70	75	80	85	
VSP-b							
VSP-a							
T.phos	V	D	G	D	G	R	
Ph.vulg	H		E	E	E	E	E
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	90	95	100	105	110	115	
VSP-b		E	E	E	E	E	E
VSP-a							
T.phos	L	V	D	V	E	F	
Ph.vulg	S	E	E	E	E	E	E
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	120	125	130	135	140	145	
VSP-b							
VSP-a							
T.phos	E	V	K	E	E	E	E
Ph.vulg							
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	150	155	160	165	170	175	
VSP-b							
VSP-a							
T.phos	N						
Ph.vulg							
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	180	185	190	195	200	205	
VSP-b							
VSP-a							
T.phos							
Ph.vulg							
Ar.VSP							
Ar.1A-1							
Ar.17A-1							
	210	218					
VSP-b							
VSP-a							
T.phos							
Ph.vulg							
Ar.VSP							
Ar.1A-1							
Ar.17A-1							

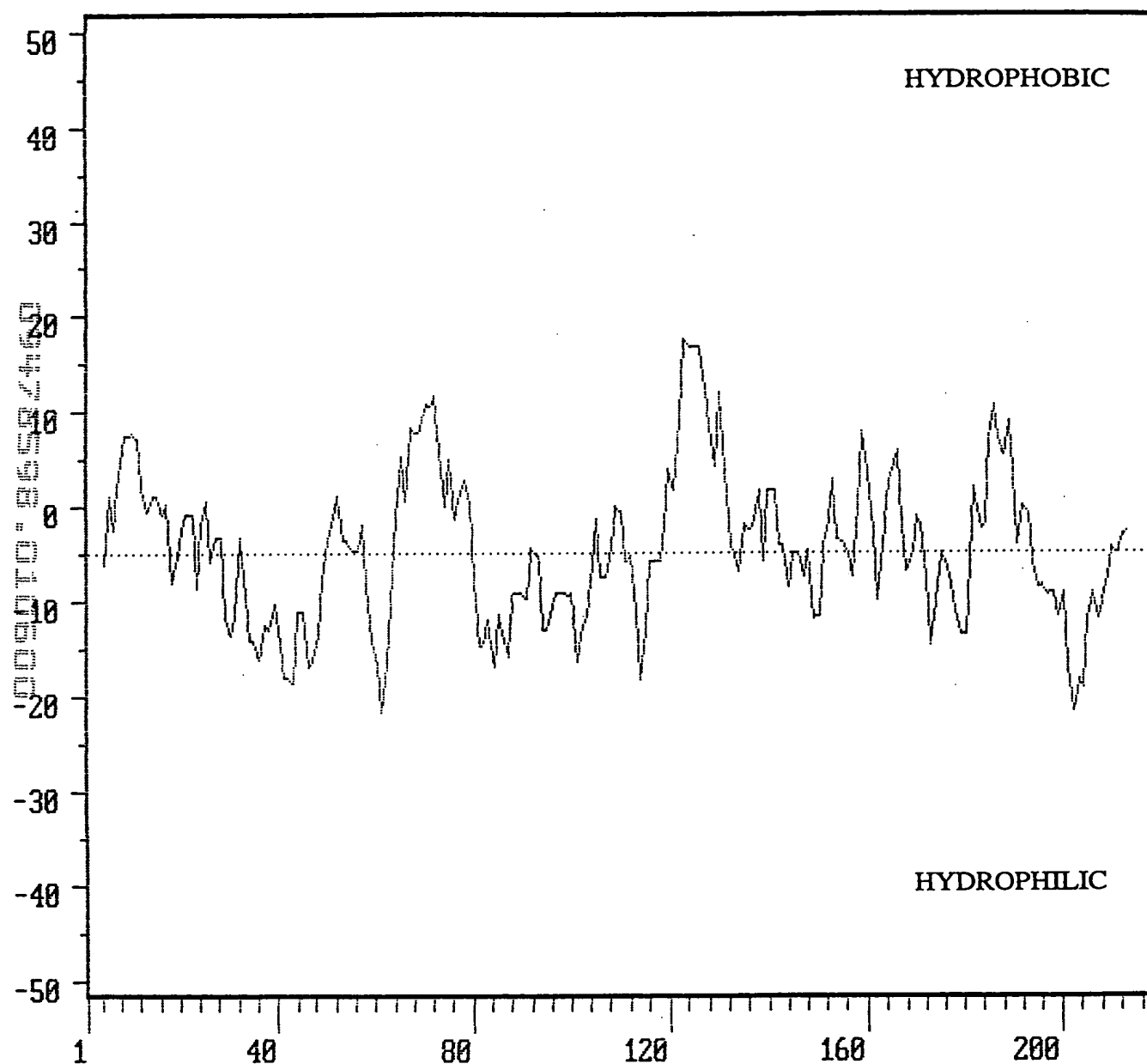
PROPOSED VSP β METHIONINE-ENRICHED VARIANTS

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

Fig. 3A

Hydropathy index computation for sequence VSPB.

Total number of amino acids is: 218.



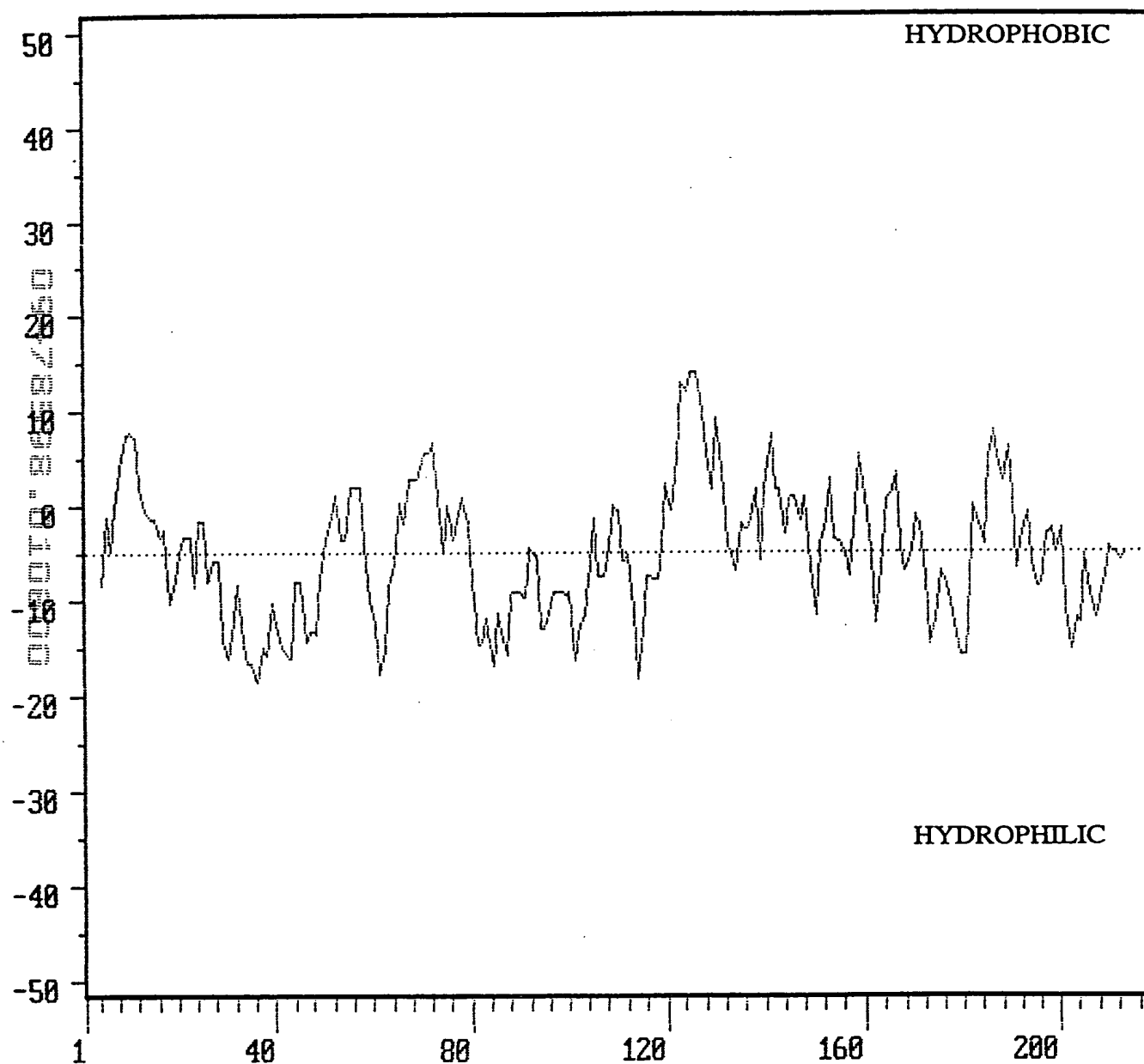
Hydropathic index of VSPB from amino acid 1 to amino acid 218.

Computed using an interval of 9 amino acids. (GRAVY = -4.95).

Fig. 3B

Hydropathy index computation for sequence VSPM10

Total number of amino acids is: 218.



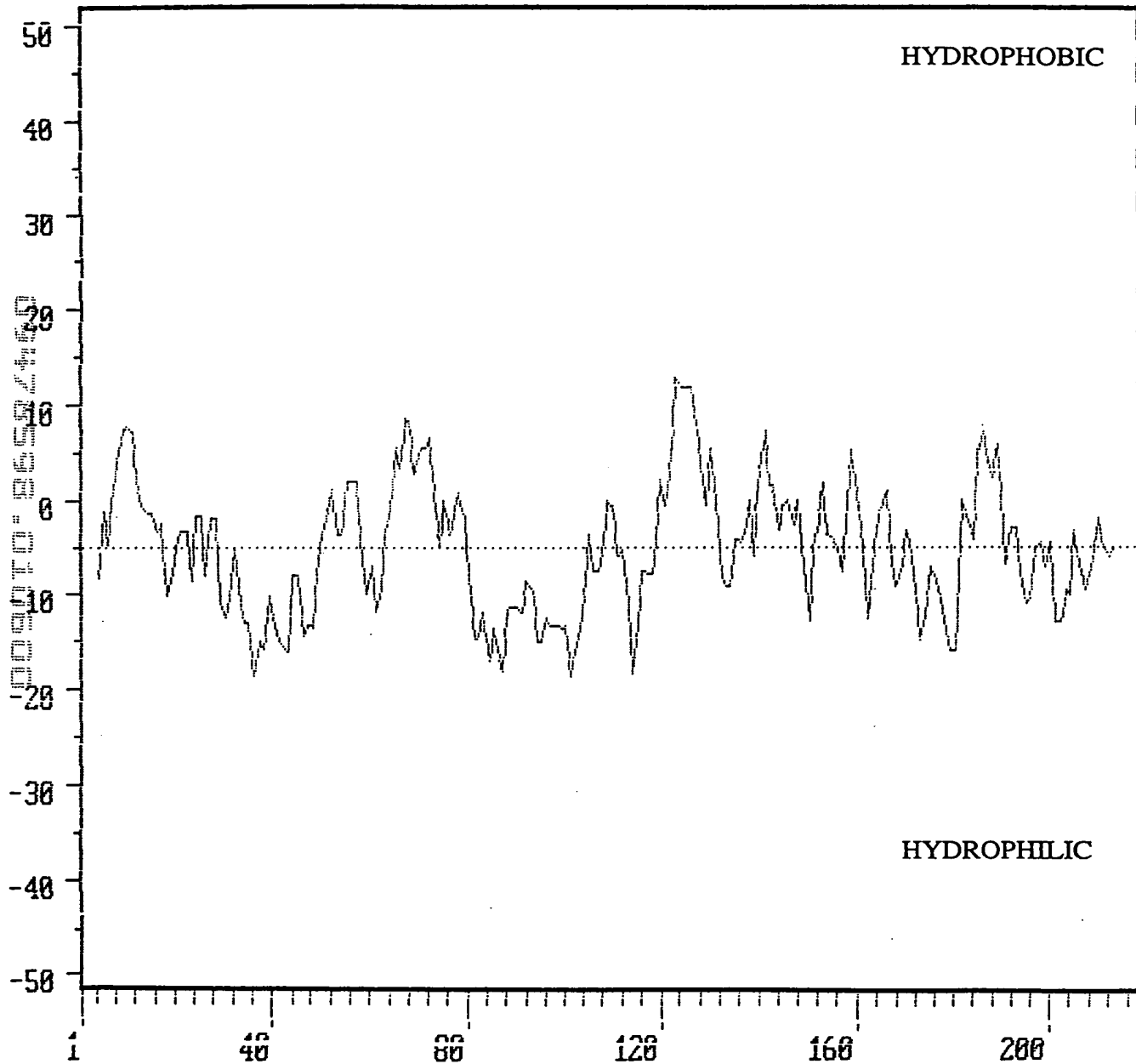
Hydropathic index of VSPM1 from amino acid 1 to amino acid 218.

Computed using an interval of 9 amino acids. (GRAVY = -5.52).

Fig. 3C

Hydropathy index computation for sequence VSPM20.

Total number of amino acids is: 218.



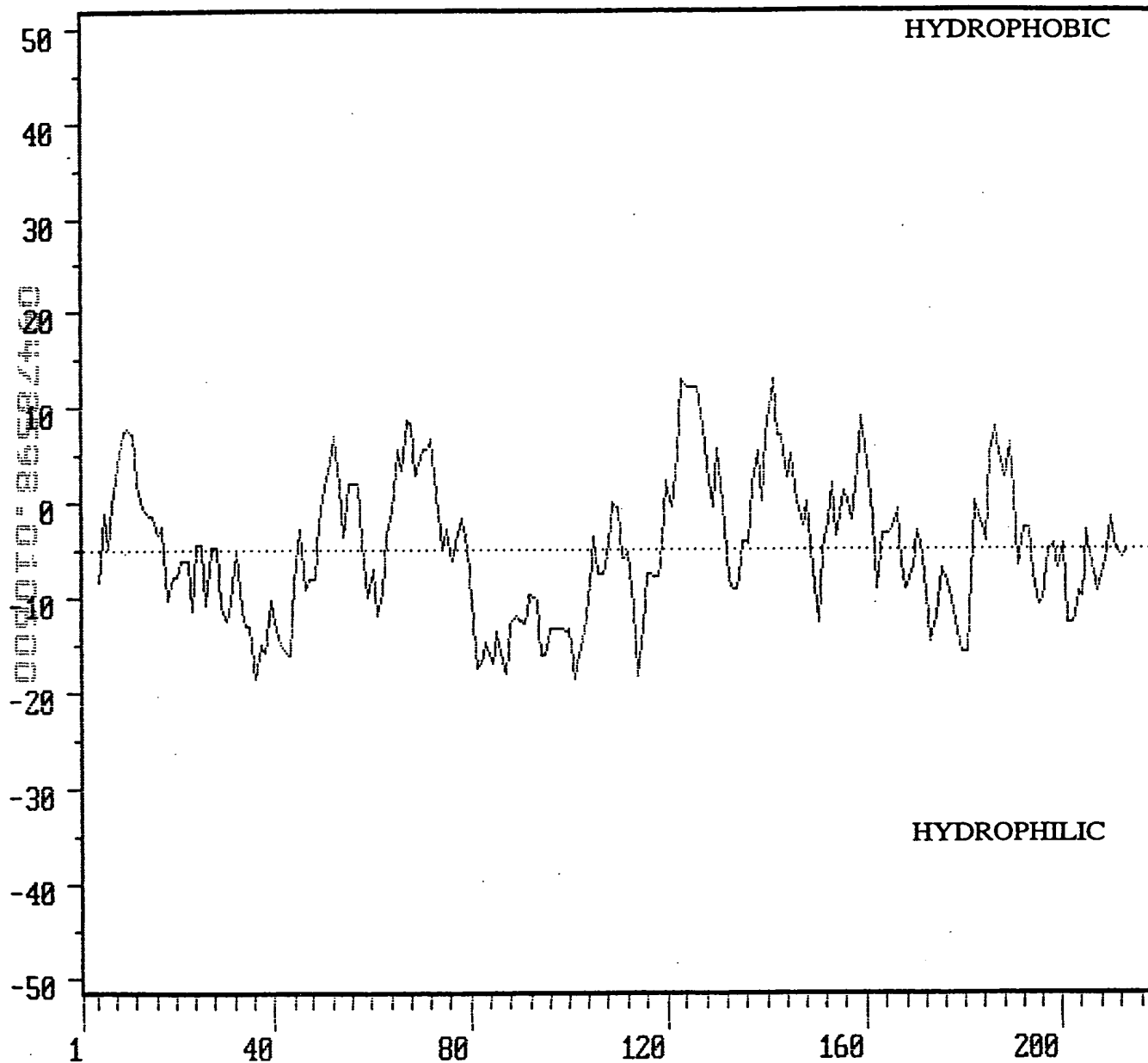
Hydropathic index of VSPM20 from amino acid 1 to amino acid 218.

Computed using an interval of 9 amino acids. (GRAVY = -5.68).

Fig. 3D

Hydr pathy ind x computation for sequence VSPM30.

Total number of amino acids is: 218.



Hydropathic index of VSPM30 from amino acid 1 to amino acid 218.

Computed using an interval of 9 amino acids. (GRAVY = -5.31).

Figure 5

Colony lift assay to detect protein-protein interactions

